ELSEVIER

Protein Structure and Molecular Enzymology

Vol. 1387, 1998

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Author Index

Aggensteiner, M., Stricker, R. and Reiser, G.
Identification of rat brain p42^{IP4}, a high-affinity inositol(1,3,4,5)tetrakisphosphate/phosphatidylinositol(3,4,5)trisphosphate binding protein (1387) 117
Ahmad, I., see Sonoda, T. (1387) 32
Akagawa, T., see Goto, S. (1387) 298
Amrani, A., see Zerhouni, S. (1387) 275
Aoki, T., see Nara, T. (1387) 462
Asao, T., Takahashi, K. and Tashiro, M.
Interaction of second and third domains of Japanese quail ovomucoid with ten mammalian trypsins (1387) 415
Ausio, J., see Clouthier, S.C. (1387) 355
Avila-Sakar, A.J., Creutz, C.E. and Kretsinger, R.H.
Crystal structure of bovine annexin VI in a calcium-bound state (1387) 103
Azarkan, M., see Zerhouni, S. (1387) 275

Barboni, P., see De Caro, J. (1387) 331
Barbotin, J.-N., see Decagny, B. (1387) 129
Bartels, C.F., see Masson, P. (1387) 41
Bernillon, J., see Louis, D. (1387) 378
Bleukx, W., Brijs, K., Torrekens, S., Van Leuven, F. and Delcour, J.A.
Specificity of a wheat gluten aspartic proteinase (1387) 317
Bocarsly, J.R., see Buranaprapuk, A. (1387) 309
Brijs, K., see Bleukx, W. (1387) 317
Britton, W., see Peake, P. (1387) 387
Buranaprapuk, A., Leach, S.P., Kumar, C.V. and Bocarsly, J.R.
Protein cleavage by transition metal complexes bearing amino acid substituents (1387) 309

Camici, G., see Pazzagli, L. (1387) 264
Capasso, C., Riggio, M., Scudiero, R., Carginale, V., di Prisco, G., Kay, J., Kille, P. and Parisi, E.
Molecular cloning and sequence determination of a novel aspartic proteinase from Antarctic fish (1387) 457
Cappugi, G., see Pazzagli, L. (1387) 264
Carginale, V., see Capasso, C. (1387) 457
Carpén, O., see Turunen, O. (1387) 1
Carrière, F., see De Caro, J. (1387) 331
Caselli, A., see Pazzagli, L. (1387) 264
Clouthier, S.C., Collinson, S.K., Lippert, D., Ausio, J., White, A.P. and Kay, W.W.
Periplasmic and fimbrial SefA from *Salmonella enteritidis* (1387) 355
Collinson, S.K., see Clouthier, S.C. (1387) 355
Collombel, C., see Min, K.-L. (1387) 80
Creutz, C.E., see Avila-Sakar, A.J. (1387) 103

Dachary-Prigent, J., see Mauray, S. (1387) 184
Dal Degan, F., see Svendsen, I. (1387) 369
D'Aniello, A., Denucé, M.J., de Vincentiis, M., Di Fiore, M.M. and Scippa, S.
Hatching enzyme from the sea-squirt *Ciona intestinalis*: purification and properties (1387) 485
Davidson, S., see Parmar, V.S. (1387) 325
Decagny, B., Roblot, C., Ergan, F., Sarazin, C., Barbotin, J.-N. and Séguin, J.-P.
^{1}H-NMR on line monitoring of water activity during lipase catalysed esterification (1387) 129
De Caro, A., see De Caro, J. (1387) 331
De Caro, J., Carrière, F., Barboni, P., Giller, T., Verger, R. and De Caro, A.
Pancreatic lipase-related protein 1 (PLRP1) is present in the pancreatic juice of several species (1387) 331
Declerck, P.J., see Gils, A. (1387) 291
del Rio-Garcia, J., see Huber, A.E. (1387) 143
Delcour, J.A., see Bleukx, W. (1387) 317
Denucé, M.J., see D'Aniello, A. (1387) 485
de Raucourt, E., see Mauray, S. (1387) 184
de Vincentiis, M., see D'Aniello, A. (1387) 485
Dhoot, G.K., see Jackman, D.M. (1387) 478
Di Fiore, M.M., see D'Aniello, A. (1387) 485
di Prisco, G., see Capasso, C. (1387) 457
Doutheau, A., see Min, K.-L. (1387) 80
Dubery, I.A., see Frylinck, L. (1387) 342

Ergan, F., see Decagny, B. (1387) 129

Fischer, A.-M., see Mauray, S. (1387) 184
Floyd, R.A., see Kwon, O.J. (1387) 249
Fortier, P.-L., see Masson, P. (1387) 41
Fournier, D., see Sepčić, K. (1387) 217
Francisco Jr., P.B., Zhang, Y., Park, S.-Y., Ogata, N., Yamanouchi, H. and Nakamura, Y.
Genomic DNA sequence of a rice gene coding for a pullulanase-type of starch debranching enzyme (1387) 469
Fraser, H., see Huber, A.E. (1387) 143
Friedman, P.A., see McGinnis, K. (1387) 454
Froemming, G.R. and Ohlendieck, K.
Oligomerisation of Ca^{2+}-regulatory membrane components involved in the excitation-contraction-relaxation cycle during postnatal development of rabbit skeletal muscle (1387) 226
Froment, M.-T., Lockridge, O. and Masson, P.
Resistance of butyrylcholinesterase to inactivation by ultrasound: effects of ultrasound on catalytic activity and subunit association (1387) 53
Froment, M.-T., see Masson, P. (1387) 41
Frylinck, L. and Dubery, I.A.
Protein kinase activities in ripening mango, *Mangifera indica* L., fruit tissue (1387) 342
Fu, J., see McGinnis, K. (1387) 454

Gao, G., see Nara, T. (1387) 462
Gekko, K., Ohmae, E., Kameyama, K. and Takagi, T.
Acetonitrile-protein interactions: amino acid solubility and preferential solvation (1387) 195

Gentzel, M., see Schambony, A. (1387) 206
Giller, T., see De Caro, J. (1387) 331
Gils, A., Vleugels, N., Tobback, K., Knockaert, I. and Declerck, P.J.
Characterization of plasminogen activator inhibitor 1 mutants containing the P13 to P10 region of ovalbumin or antithrombin III: evidence that the P13 residue contributes significantly to the active to substrate transition (1387) 291
Gorren, A.C.F., see Schrammel, A. (1387) 257
Goto, S., Akagawa, T., Kojima, S., Hayakawa, T. and Yamaya, T.
Organization and structure of NADH-dependent glutamate synthase gene from rice plants (1387) 298
Grossman, S.H. and Sellers, D.S.
Subunit conformation and dynamics in a heterodimeric protein: studies of the hybrid isozyme of creatine kinase (1387) 447
Gupta, R., see Parmar, V.S. (1387) 325

Harris, W.R., see Li, Y. (1387) 89
Hayakawa, T., see Goto, S. (1387) 298
Heeley, D.H., see Jackman, D.M. (1387) 478
Henry, R., see Min, K.-L. (1387) 80
Hong, S.-Y., see Kwon, M.-Y. (1387) 239
Hua, G., Tsukamoto, K., Taguchi, R., Tomita, M., Miyajima, S. and Ikezawa, H.
Characterization of aminopeptidase N from the brush border membrane of the larvae midgut of silkworm, *Bombyx mori*, as a zinc enzyme (1387) 486
Huber, A.E., Fraser, H., del Rio-Garcia, J., Kreil, G. and Smyth, D.G.
Molecular cloning in the marmoset shows that semenogelin is not the precursor of the TRH-like peptide pGlu-Glu-Pro amide (1387) 143

Ikeda-Saito, M., see Tada, T. (1387) 165
Ikezawa, H., see Hua, G. (1387) 486
Imai, K., see Tada, T. (1387) 165
Ishijima, S., see Sonoda, T. (1387) 32
Ishizuka, T., see Sonoda, T. (1387) 32

Jääskeläinen, J., see Turunen, O. (1387) 1
Jackman, D.M., Pham, T., Noel, J.J., Waddleton, D.M., Dhoot, G.K. and Heeley, D.H.
Heterogeneity of Atlantic salmon troponin-I (1387) 478
Jozefowicz, M., see Mauray, S. (1387) 184

Kameyama, K., see Gekko, K. (1387) 195
Katagiri, C., see Kitamura, Y. (1387) 153
Kay, J., see Capasso, C. (1387) 457
Kay, W.W., see Clouthier, S.C. (1387) 355
Kille, P., see Capasso, C. (1387) 457
Kita, K., see Sonoda, T. (1387) 32
Kitamura, Y. and Katagiri, C.
Characterization of the hatching enzyme from embryos of an anuran amphibian, *Rana pirica* (1387) 153
Klaebe, A., see Sepčić, K. (1387) 217
Knockaert, I., see Gils, A. (1387) 291
Koder, R.L. and Miller, A.-F.
Steady-state kinetic mechanism, stereospecificity, substrate and inhibitor specificity of *Enterobacter cloacae* nitroreductase (1387) 395
Kojima, S., see Goto, S. (1387) 298
Kreil, G., see Huber, A.E. (1387) 143
Kretsinger, R.H., see Avila-Sakar, A.J. (1387) 103
Ku, G.M., see McGinnis, K. (1387) 454
Kumar, A., see Parmar, V.S. (1387) 325
Kumar, C.V., see Buranaprapuk, A. (1387) 309
Kuroki, Y., see Tsunezawa, W. (1387) 433

Kwon, O.J., Lee, S.M., Floyd, R.A. and Park, J.-W.
Thiol-dependent metal-catalyzed oxidation of copper, zinc superoxide dismutase (1387) 249
Kwon, M.-Y., Hong, S.-Y. and Lee, K.-H.
Structure-activity analysis of brevinin 1E amide, an antimicrobial peptide from *Rana esculenta* (1387) 239

Leach, S.P., see Buranaprapuk, A. (1387) 309
Lee, K.-H., see Kwon, M.-Y. (1387) 239
Lee, S.M., see Kwon, O.J. (1387) 249
Li, Y. and Harris, W.R.
Iron removal from monoferric human serum transferrins by 1,2-dimethyl-3-hydroxypyridin-4-one, 1-hydroxypyridin-2-one and acetohydroxamic acid (1387) 89
Lippert, D., see Clouthier, S.C. (1387) 355
Liu, X.-Q., see Wu, H. (1387) 422
Lockridge, O., see Froment, M.-T. (1387) 53
Lockridge, O., see Masson, P. (1387) 41
Looze, Y., see Zerhouni, S. (1387) 275
Louis, D., Bernillon, J. and Wallach, J.M.
Specificity of *Pseudomonas aeruginosa* serralysin revisited, using biologically active peptides as substrates (1387) 378

Manao, G., see Pazzagli, L. (1387) 264
Marcel, V., see Sepčić, K. (1387) 217
Masson, P., see Froment, M.-T. (1387) 53
Masson, P., Froment, M.-T., Fortier, P.-L., Visicchio, J.-E., Bartels, C.F. and Lockridge, O.
Butyrylcholinesterase-catalysed hydrolysis of aspirin, a negatively charged ester, and aspirin-related neutral esters (1387) 41
Matsuoka, A., see Tada, T. (1387) 165
Maugard, T., Remaud-Simeon, M. and Monsan, P.
Kinetic study of chemoselective acylation of amino-alditol by immobilized lipase in organic solvent: effect of substrate ionization (1387) 177
Mauray, S., de Raucourt, E., Talbot, J.-C., Dachary-Prigent, J., Jozefowicz, M. and Fischer, A.-M.
Mechanism of factor IXa inhibition by antithrombin in the presence of unfractionated and low molecular weight heparins and fucoidan (1387) 184
Mayer, B., see Schrammel, A. (1387) 257
McCormack, F.X., see Tsunezawa, W. (1387) 433
McGinnis, K., Ku, G.M., Fu, J., Stern, A.M. and Friedman, P.A.
The five cysteine residues located in the active site region of bovine aspartyl (asparaginyl) β-hydroxylase are not essential for catalysis (1387) 454
Miller, A.-F., see Koder, R.L. (1387) 395
Min, K.-L., Steghens, J.-P., Henry, R., Doutheau, A. and Collombel, C.
Identification of the creatine binding domain of creatine kinase by photoaffinity labeling (1387) 80
Miyajima, S., see Hua, G. (1387) 486
Mizukami, M., see Tokunaga, H. (1387) 65
Moneti, G., see Pazzagli, L. (1387) 264
Monsan, P., see Maugard, T. (1387) 177

Nakajima-Shimada, J., see Nara, T. (1387) 462
Nakamura, Y., see Francisco Jr., P.B. (1387) 469
Nara, T., Gao, G., Yamasaki, H., Nakajima-Shimada, J. and Aoki, T.
Carbamoyl-phosphate synthetase II in kinetoplastids (1387) 462
Neumann, U., see Schambony, A. (1387) 206
Ni-hei, Y., see Tada, T. (1387) 165
Nijs, M., see Zerhouni, S. (1387) 275

Noel, J.J., see Jackman, D.M. (1387) 478

Ogata, N., see Francisco Jr., P.B. (1387) 469
Ohlendieck, K., see Froemming, G.R. (1387) 226
Ohmae, E., see Gekko, K. (1387) 195

Parisi, E., see Capasso, C. (1387) 457
Park, J.-W., see Kwon, O.J. (1387) 249
Park, J.-W., see Park, H.-S. (1387) 406
Park, H.-S. and Park, J.-W.
Conformational changes of the leukocyte NADPH oxidase subunit $p47^{phox}$ during activation studied through its intrinsic fluorescence (1387) 406
Park, S.-Y., see Francisco Jr., P.B. (1387) 469
Parmar, V.S., Kumar, A., Poonam,, Pati, H.N., Saxena, R.K., Davidson, S. and Gupta, R.
Potential use of a novel lipase from *Aspergillus carneus* in deacetylation reactions (1387) 325
Pati, H.N., see Parmar, V.S. (1387) 325
Pazzagli, L., Manao, G., Cappugi, G., Caselli, A., Camici, G., Moneti, G. and Ramponi, G.
The amino acid sequences of two acylphosphatase isoforms from fish muscle (*Lamna nasus*) (1387) 264
Peake, P., Winter, N. and Britton, W.
Phosphorylation of *Mycobacterium leprae* heat-shock 70 protein at threonine 175 alters its substrate binding characteristics (1387) 387
Pham, T., see Jackman, D.M. (1387) 478
Poonam,, see Parmar, V.S. (1387) 325

Raida, M., see Schambony, A. (1387) 206
Ramponi, G., see Pazzagli, L. (1387) 264
Reiser, G., see Aggensteiner, M. (1387) 117
Remaud-Simeon, M., see Maugard, T. (1387) 177
Riggio, M., see Capasso, C. (1387) 457
Roblot, C., see Decagny, B. (1387) 129

Sainio, M., see Turunen, O. (1387) 1
Salvesen, G.S., see Stennicke, H.R. (1387) 17
Sano, H., see Tsunezawa, W. (1387) 433
Sarazin, C., see Decagny, B. (1387) 129
Saxena, R.K., see Parmar, V.S. (1387) 325
Schambony, A., Gentzel, M., Wolfes, H., Raida, M., Neumann, U. and Töpfer-Petersen, E.
Equine CRISP-3: primary structure and expression in the male genital tract (1387) 206
Schmidt, K., see Schrammel, A. (1387) 257
Schrammel, A., Gorren, A.C.F., Stuehr, D.J., Schmidt, K. and Mayer, B.
Isoform-specific effects of salts on nitric oxide synthase activity (1387) 257
Scippa, S., see D'Aniello, A. (1387) 485
Scudiero, R., see Capasso, C. (1387) 457
Séguin, J.-P., see Decagny, B. (1387) 129
Sellers, D.S., see Grossman, S.H. (1387) 447
Sepčić, K., Marcel, V., Klaebe, A., Turk, T., Šuput, D. and Fournier, D.
Inhibition of acetylcholinesterase by an alkylpyridinium polymer from the marine sponge, *Reniera sarai* (1387) 217
Shikama, K., see Tada, T. (1387) 165
Smolders, N., see Zerhouni, S. (1387) 275
Smyth, D.G., see Huber, A.E. (1387) 143
Sohma, H., see Tsunezawa, W. (1387) 433
Sonoda, T., Ishizuka, T., Ishijima, S., Kita, K., Ahmad, I. and Tatibana, M.
Rat liver phosphoribosylpyrophosphate synthetase is activated by free Mg^{2+} in a manner that overcomes its inhibition by nucleotides (1387) 32
Steghens, J.-P., see Min, K.-L. (1387) 80
Stennicke, H.R. and Salvesen, G.S.
Properties of the caspases (1387) 17
Stern, A.M., see McGinnis, K. (1387) 454
Stricker, R., see Aggensteiner, M. (1387) 117
Stuehr, D.J., see Schrammel, A. (1387) 257
Šuput, D., see Sepčić, K. (1387) 217
Svendsen, I. and Dal Degan, F.
The amino acid sequences of carboxypeptidases I and II from *Aspergillus niger* and their stability in the presence of divalent cations (1387) 369

Tada, T., Watanabe, Y.-h., Matsuoka, A., Ikeda-Saito, M., Imai, K., Nihei, Y. and Shikama, K.
African elephant myoglobin with an unusual autoxidation behavior: comparison with the H64Q mutant of sperm whale myoglobin (1387) 165
Taguchi, R., see Hua, G. (1387) 486
Takagi, H., see Tokunaga, H. (1387) 65
Takagi, T., see Gekko, K. (1387) 195
Takahashi, K., see Asao, T. (1387) 415
Talbot, J.-C., see Mauray, S. (1387) 184
Tashiro, M., see Asao, T. (1387) 415
Tatibana, M., see Sonoda, T. (1387) 32
Tobback, K., see Gils, A. (1387) 291
Tokunaga, M., see Tokunaga, H. (1387) 65
Tokunaga, H., Yamakawa, M., Mizukami, M., Takagi, H. and Tokunaga, M.
Molecular cloning of the *dnaK* locus, and purification and characterization of a DnaK protein from *Bacillus brevis* HPD31 (1387) 65
Tomita, M., see Hua, G. (1387) 486
Töpfer-Petersen, E., see Schambony, A. (1387) 206
Torrekens, S., see Bleukx, W. (1387) 317
Tsukamoto, K., see Hua, G. (1387) 486
Tsunezawa, W., Sano, H., Sohma, H., McCormack, F.X., Voelker, D.R. and Kuroki, Y.
Site-directed mutagenesis of surfactant protein A reveals dissociation of lipid aggregation and lipid uptake by alveolar type II cells (1387) 433
Turk, T., see Sepčić, K. (1387) 217
Turunen, O., Sainio, M., Jääskeläinen, J., Carpén, O. and Vaheri, A.
Structure-function relationships in the ezrin family and the effect of tumor-associated point mutations in neurofibromatosis 2 protein (1387) 1

Vaheri, A., see Turunen, O. (1387) 1
Van Leuven, F., see Bleukx, W. (1387) 317
Verger, R., see De Caro, J. (1387) 331
Vincentelli, J., see Zerhouni, S. (1387) 275
Visicchio, J.-E., see Masson, P. (1387) 41
Vleugels, N., see Gils, A. (1387) 291
Voelker, D.R., see Tsunezawa, W. (1387) 433

Waddleton, D.M., see Jackman, D.M. (1387) 478
Wallach, J.M., see Louis, D. (1387) 378
Wang, Y., see Zhang, Q. (1387) 136
Wang, E., see Zhang, Q. (1387) 136
Watanabe, Y., see Tada, T. (1387) 165
White, A.P., see Clouthier, S.C. (1387) 355
Winter, N., see Peake, P. (1387) 387
Wolfes, H., see Schambony, A. (1387) 206

Wu, H., Xu, M.-Q. and Liu, X.-Q.
Protein *trans*-splicing and functional mini-inteins of a cyanobacterial dnaB intein (1387) 422

Xu, M.-Q., see Wu, H. (1387) 422

Yamakawa, M., see Tokunaga, H. (1387) 65
Yamanouchi, H., see Francisco Jr., P.B. (1387) 469
Yamasaki, H., see Nara, T. (1387) 462
Yamaya, T., see Goto, S. (1387) 298

Zerhouni, S., Amrani, A., Nijs, M., Smolders, N., Azarkan, M., Vincentelli, J. and Looze, Y.
Purification and characterization of papaya glutamine cyclotransferase, a plant enzyme highly resistant to chemical, acid and thermal denaturation (1387) 275
Zhang, Q., Wang, E. and Wang, Y.
The role of tryptophan residues in *Escherichia coli* arginyl-tRNA synthetase (1387) 136
Zhang, Y., see Francisco Jr., P.B. (1387) 469